

IN THE CLAIMS

1. (Currently Amended) A network system for switching security associations comprising:

a first, network device;

a second, network device, the second network device being an active network device; and

a third network device, the third network device being a standby network device;

a first secure communication between the first and second network devices, the first secure communication having a security association and a pre-defined sequence number limit less than a maximum sequence number; and

a second secure communication between the first and third network devices, the second secure communication having the same security association as the first secure communication, the second secure communication also having an initial sequence number greater than the pre-defined sequence number limit.

2. (Currently Amended) The network system of claim 1 further comprising a fourth network device having security information corresponding to the security association, the fourth network device capable of passing the security information from the first second network device to the third network device.

3. (Original) The network system of claim 2 wherein the security information comprises at least a security parameter index.

4. (Original) The network system of claim 2 wherein the fourth network device is a redundancy handler.
5. (Original) The network system of claim 2 wherein the fourth network device is a router.
6. (Currently Amended) The network system of claim 2 wherein the fourth network device is a media gateway controller, and the ~~first~~ second and third network devices are media gateways.
7. (Currently Amended) The network system of claim 1 wherein the ~~first~~ second and ~~second~~ third network devices are blades.
8. (Cancelled).
9. (Original) The network system of claim 1 wherein the second secure communication replaces the first secure communication when the first secure communication fails.
10. (Original) The network system of claim 1 wherein replay prevention is enabled for both the first and second secure communications.

11. (Currently Amended) A network system for switching security associations comprising:
 - a first, network device;
 - a second, network device, the second network device being an active network device; and
 - a third network device, the third network device being a standby network device;

a first secure communication between the first and second network devices, the first secure communication having a security association and a pre-defined sequence number limit less than a maximum sequence number;

a second secure communication between the first and third network devices, the second secure communication having the same security association as the first secure communication, the second secure communication also having an initial sequence number greater than the pre-defined sequence number limit; and

a fourth network device having security information corresponding to the security association, the fourth network device capable of passing the security information from the first network device to the third network device;

wherein replay prevention is enabled for both the first and second secure communications.

12. (Original) The network system of claim 11 wherein the second secure communication replaces the first secure communication when the first secure communication fails.

13. (Original) The network system of claim 11 wherein the first and second secure communications are voice calls.

14. (Original) The network system of claim 11 wherein the security information comprises at least a security parameter index.

15. (Currently Amended) A method for switching security associations between network devices, the method comprising the steps of:

establishing a first communication between a first network device and a second network device, the second network device being an active network device;

negotiating a security association for the first communication;

using a pre-defined sequence number limit less than a maximum sequence number for the first communication;

replacing the first communication with a second communication between the first network device and a third network device, the third network device being a standby network device;

implementing the same security association for the second communication as the first communication without negotiating a different security association; and

using an initial sequence number greater than the pre-defined sequence number limit for the second communication.

16. (Currently Amended) The method of claim 15 further comprising the step of passing security information corresponding to the security association from the first network device to the third network device.
17. (Currently Amended) The method of claim 16 further comprising the step of providing at least a security parameter index for the security information.
18. (Currently Amended) The method of claim 16 further comprising the step of storing the security information in a fourth network device.
19. (Currently Amended) The method of claim 15 further comprising the step of replacing the first communication with the second communication when the first communication fails.
20. (Currently Amended) The method of claim 15 further comprising the step of enabling replay prevention for both the first and second communications.
21. (Currently Amended) The method of claim 15 further comprising the step of providing voice calls for the first and second communications.
22. (Currently Amended) The method of claim 15 further comprising the step of providing blades for the first, second, and third network devices.

23. (Currently Amended) A method for switching security associations between network devices, the method comprising the steps of:

establishing a first communication between a first network device and a second network device, the second network device being an active network device;

negotiating a security association for the first communication;

using a pre-defined sequence number limit less than a maximum sequence number for the first communication;

replacing the first communication with a second communication between the first network device and a third network device, the third network device being a standby network device;

passing security information corresponding to the security association from the first network device to the third network device;

implementing the same security association for the second communication as the first communication without negotiating a different security association;

using an initial sequence number greater than the pre-defined sequence number limit for the second communication.

24. (Currently Amended) The method of claim 23 further comprising the step of providing at least a security parameter index for the security information.

25. (Currently Amended) The method of claim 23 further comprising the step of replacing the first communication with the second communication when the first communication fails.

26. (Currently Amended) The method of claim 23 further comprising the step of enabling replay prevention for both the first and second communications.

27. (Currently Amended) The method of claim 23 further comprising the step of storing the security information in a fourth network device.